

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

MOTHER NATURE THREW A CURVE BALL THIS WEEK

The nice weather a couple of weeks ago was replaced by lower temperatures and rain this past week, according to the Minnesota Agricultural Statistics Service. Many counties in the central portion of the state experienced frost including Traverse, Pope, and Kandiyohi counties. The effects of the frost will not be fully apparent for another couple of weeks. The Southwestern District was hit by hail on Wednesday, May 17, causing damage to emerged crops. The hail was accompanied by strong winds and large accumulations of rain.

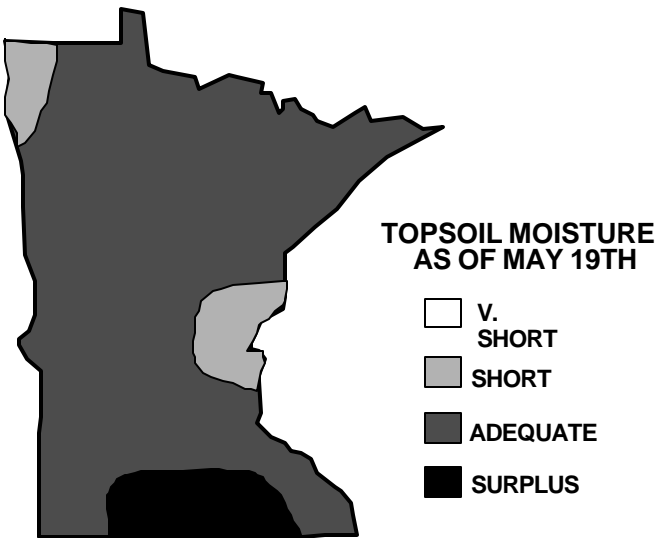
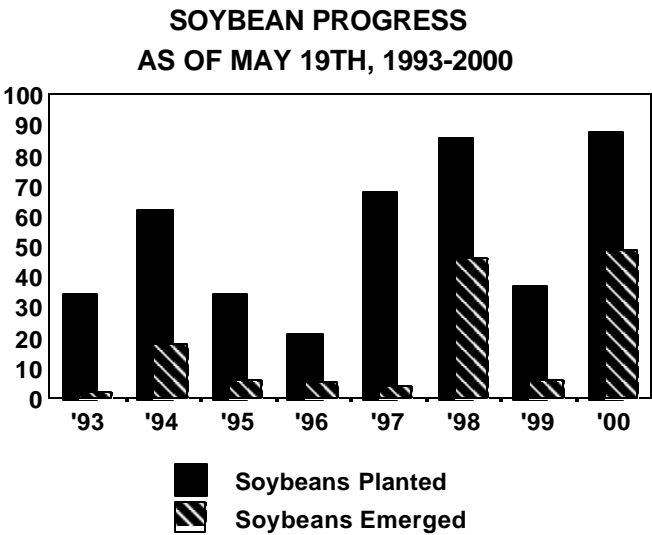
Topsoil moisture conditions across the state, were rated 1% very short, 10% short, 77% adequate, and 12% surplus as of Friday. The short area in the southern quarter of the state received precipitation last week, with Rochester recording 5.5 inches. The area along the Iowa state line now has surplus topsoil moisture.

An estimated 94% of corn has emerged versus 57% last year; the 5-year average is 43%. The emerged corn in many areas is yellow from a lack of sunshine and warm weather. First cultivation of corn was delayed by the cooler weather; an estimated 1% is complete. Despite the hail, frost, and cooler temperatures, corn condition was rated as 64% good to excellent. Soybean acreage is 88% planted, compared with 37% planted last year, and the 5-year average of 49%. Almost half, 49% of the soybeans are emerged, compared to 6% last year and the 5-year average of 13%.

Emergence of spring wheat has reached 95%, compared with 43% for the 5-year average. Spring wheat is off to an early start with an estimated 5% jointed, compared to none at this time last year, and the 5-year average of 1%. Conditions are rated as 71% good to excellent.

Days Suitable for Fieldwork: 3.8					
		Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)		1	10	77	12
Crop Progress as of May 21, 2000					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Emerged	43	57	78	94
	Cultivated	0	0	NA	1
Soybeans	Planted	49	37	76	88
	Emerged	13	6	25	49
Spring Wheat	Emerged	43	56	70	95
	Jointed	1	0	NA	5
Barley	Emerged	37	40	71	97
	Jointed	1	1	NA	2
Oats	Emerged	68	66	79	94
	Jointed	2	1	NA	7
Canola	Planted	NA	9	82	99
Green Peas	Planted	76	69	83	94
Potatoes	Planted	54	55	61	81
Sweet Corn	Planted	47	43	51	63
Dry Beans	Planted	25	18	32	62
Sunflowers	Planted	21	20	38	71
Alfalfa Hay	First Cutting	3	6	NA	3
Crop Condition as of May 19th in %					
	V.Poor	Poor	Fair	Good	Exc.
Pasture	2	5	32	54	7
Barley	1	3	21	56	19
Spring Wheat	3	6	20	53	18
Oats	0	2	28	56	14
Corn	2	4	30	54	10

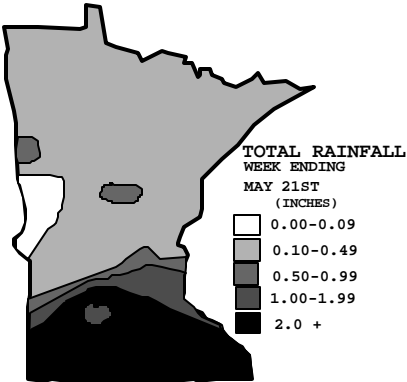
District Progress as of May 19th in %								
CROP	NW	NC	WC	CENT	EC	SW	SC	SE
Corn Emerged	79	50	88	83	82	99	99	92
Soybeans Planted	82	60	78	88	67	91	87	95



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PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING MAY 21,2000:
Temperatures averaged from 4.2 degrees below normal in the East Central District to 1.4 degrees below normal in the Northeast District. Extremes: 27° in Cambridge; 83° in Hutchinson. Precipitation averaged from 0.46 inch below normal in the Northeast District to 2.93 inches above normal in the South Central District. Greatest weekly total was 5.50 inches.



Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum to 50 degrees.

Precipitation and Temperature Summary for 05/15/2000 through 05/21/2000

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since Apr 28	Depart from Norm
<u>NW DIST 1</u>										
Crookston	74	36	54.0	-1.8	.21	-.35	-1.02	-1.25	221	44
Moorhead	76	35	55.4	-1.7	.56	.00	-.42	-.67	237	42
Warroad	72	31	51.4	-1.1	.17	-.33	-.09	-.47	167	31
<u>NC DIST 2</u>										
Grand Rapids	72	28	53.2	-.7	.19	-.51	1.42	1.13	226	74
Intl. Falls	70	29	50.3	-2.7	.35	-.21	.80	.96	181	37
Itasca	68	33	51.3	-2.1	.33	-.29	-.45	-.97	212	66
<u>NE DIST 3</u>										
Duluth	69	29	49.5	-2.1	.20	-.49	-.13	-.62	169	50
Grand Marais	M	M	M	M	M	M	-.72m	-1.17m	47m	-35m
Hibbing	72	30	51.8	-.6	.17	-.43	.38	.47	196	64
<u>WC DIST 4</u>										
Alexandria	74	34	55.6	-1.6	.40	-.25	.42	-.34	231	36
Browns Valley	74	34	54.3	-3.3	.05	-.54	-.66	-.85	239	44
Canby	78	34	57.5	-1.7	.41	-.24	1.86	1.16	282	63
Fergus Falls	72	34	56.2	-.6	.06	-.53	-.11	.22	245	59
Montevideo	79	34	56.8	-2.1	.44	-.27	-.39	-1.05	277	59
Morris	79	35	56.9	-.3	.18	-.44	.12	-.21	266	73
<u>CENT DIST 5</u>										
Becker	74	29	55.8	-1.1	.66	-.12	-1.19	-1.96	281	91
Hutchinson	83	33	57.2	-1.7	1.00	.31	-.08	-.54	319	103
Olivia	78	35	55.8	-3.5	2.33	1.68	1.08	.08	293	72
St. Cloud	74	28	54.2	-2.5	.39	-.32	-.36	-1.16	265	77
Staples	73	32	53.6	-1.8	.57	-.09	.55	-.17	228	58
Willmar	77	34	55.8	-2.6	.34	-.40	-.35	-1.45	270	61
<u>EC DIST 6</u>										
Aitkin	72	28	50.3	-4.3	.44	-.24	.50	1.36	223	64
Cambridge	71	27	52.6	-5.0	.36	-.38	-.53	-.47	245	45
MSP Airport	74	36	56.4	-2.9	1.51	.73	.05	-.71	285	60
St. Paul - UofM	75	32	56.8	-4.5	1.37	.56	-.50	-1.11	314	57
<u>SW DIST 7</u>										
Lamberton	79	33	55.6	-3.7	3.07	2.37	2.21	1.02	284	62
Pipestone	76	36	55.6	-2.1	3.26	2.51	4.41	4.61	265	63
Redwood Falls	79	37	58.5	-2.2	1.97	1.30	.94	.40	301	55
Worthington	77	33	54.4	-3.9	3.86	3.13	2.73	1.95	269	66
<u>SC DIST 8</u>										
Faribault	71	32	53.6	-4.6	3.12	2.27	.97	.21	278	71
Waseca	72	38	56.2	-2.3	3.40	2.57	1.51	.16	294	82
Winnebago	75	35	56.4	-2.3	4.78	3.95	2.89	1.87	305	88
<u>SE DIST 9</u>										
Preston	71	31	53.4	-3.5	4.77	3.90	2.59	1.54	279	89
Red Wing	73	36	53.0	-3.0	1.24	.35	-1.35	-2.04	280	105
Rochester	71	34	54.0	-3.5	5.50	4.72	3.33	2.22	267	69
Rosemount	75	33	56.1	-3.1	1.75	.85	.28	-.20	302	79
Winona	75	38	55.5	-3.0	2.14	1.27	-.71	.02	323	108

m=some data missing

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